| Issue Classificat | ion |
|-------------------|-----|
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| Application No. | Applicant(s)  |  |
|-----------------|---------------|--|
| 10/662,006      | SHIRAI ET AL. |  |
| Examiner        | Art Unit      |  |
|                 |               |  |
| Noil Abromo     | 2020          |  |

|                              |                        |          |           |   |               | •                         | Neil Abrams 2839                                 |                                      |                |            |     |       |             |                          |                 |                |       |              |            |
|------------------------------|------------------------|----------|-----------|---|---------------|---------------------------|--|--------------------------------------|----------------|------------|-----|-------|-------------|--------------------------|-----------------|----------------|-------|--------------|------------|
| ISSUE CLASSIFICATION         |                        |          |           |   |               |                           |  |                                      |                |            |     |       |             |                          |                 |                |       |              |            |
| ORIGINAL CROSS REFERENCE(S)  |                        |          |           |   |               |                           |  |                                      |                |            |     |       |             |                          |                 |                |       |              |            |
| CLASS , SUBCLASS CLASS       |                        |          |           |   |               |                           |  | SUBCLASS (ONE SUBCLASS PER BLOCK)    |                |            |     |       |             |                          |                 |                |       |              |            |
| 439 862 439                  |                        |          |           |   | 7:            | 33.1                      | 88   | 35                                   |                |            |     |       |             |                          |                 | 1              |       |              |            |
| INTERNATIONAL CLASSIFICATION |                        |          |           |   |               |                           |  |                                      |                |            |     |       |             |                          |                 |                |       |              |            |
| HO                           | 1                      | R        | 4         | 148   | 3             |                           | 1  |                                      |                |            |     |       |             |                          |                 |                |       |              |            |
| 111                          |                        | 1        |           | <u>, , , , , , , , , , , , , , , , , , , </u> |               | :                         | 1  |                                      |                |            |     |       |             |                          |                 |                | -     | $\vdash$     |            |
|                              | $\dagger$              | $\dashv$ |           | <u> </u>                                      |               |                           | 1  |                                      |                |            |     |       |             |                          |                 | <del>-  </del> |       |              |            |
|                              | +                      |          |           | <u>,                                     </u> |               |                           | <del>                                     </del> |                                      |                |            |     |       |             |                          |                 |                |       | <del> </del> |            |
|                              | +                      | $\dashv$ |           | <u>,                                     </u> |               |                           |  |                                      |                |            | •   |       | <del></del> | $\dashv$                 |                 |                |       | +            |            |
| $\vdash \vdash$              | <u>.li</u>             |          |           |   |               | I                         |  |                                      |                |            |     |       |             | $\dashv$                 |                 |                |       |              | $\dashv$   |
|                              |                        |          |           |   |               |                           |  |                                      |                |            |     |       |             | -                        | Fotal (         | laims          | Allow | ed· ~        | .          |
|                              | /Acc                   | i-4      | Examine   | or) /[  | Date)         | 1                         |  | NEIL ABRAMS  Total Claims Allowed: 2 |                |            |     |       |             |                          |                 | _              |       |              |            |
|                              |                        | /        | LABITITIE | ,, (  | . /           | 7                         |  | _                                    |                | MINER      |     |       |             |                          | O.G. 0.G        |                |       |              |            |
|                              | _/                     | lixi     | W         |   | 171           | 14/st                     |  | A                                    | rt ui          | VIT 32     | 2   |       |             |                          | Prin            | t Claim(       | s)    |              | t Fig.     |
| (L                           | egal y                 | strun    | ients Exa | ıminer)                                       | ' (Date       | e <i>y  <sup>0</sup> </i> | ٠  | 0                                    | nary Exa       | aminer)    | _   | (Date |             | u                        |                 | 1              |       | ، ر5         | 6A         |
|                              | 2)-all-12-10-04 1 3,8A |          |           |   |               |                           |  |                                      |                |            |     |       |             |                          |                 |                |       |              |            |
| X                            | Claim                  | s ren    | umbere    | d in th                                       | e san         | ne orde                   | r as p   | r as presented by applicant          |                |            |     |       |             |                          | ☐ T.D. ☐ R.1.47 |                |       |              |            |
| _                            | <u>ھ</u>               |          | _         | ja  | . <del></del> | _                         | व  |                                      | -              | <u> </u>   | ·   | -     | <u> </u>    |                          | _               | E              |       | -            | ᅙ          |
| Final                        | Original               | 1        | Final     | Original                                      |               | Final                     | Original   |                                      | Final          | Original   |     | Final | Original    |                          | Final           | Original       |       | Final        | Original   |
|                              | Ō                      |          |           | Ō   |               |                           | 0  |                                      |                | 0          |     |       | <u> </u>    | ٠.                       |                 |                |       |              | 0          |
|                              | 1                      | 4        |           | 31  |               |                           | 61   |                                      |                | 91         |     |       | 121         |                          | <u> </u>        | 151            |       | <b></b>      | 181        |
|                              | 3                      | ┥        | -         | 32  |               |                           | 62<br>63   |                                      |                | 92<br>93   |     |       | 122<br>123  |                          | <b></b>         | 152<br>153     |       |              | 182<br>183 |
|                              | 4                      | 1        |           | 34  |               |                           | 64   | -                                    |                | 94         |     |       | 124         |                          |                 | 154            |       |              | 184        |
|                              | 5                      |          |           | 35  | 12.           |                           | 65   | ,                                    |                | 95         |     |       | 125         | ¥ :                      |                 | 155            |       |              | 185        |
|                              | 6                      | ]        |           | 36  |               |                           | 66_  | -                                    |                | 96         |     |       | 126         | 1                        |                 | 156            |       |              | 186        |
| ·                            | 7                      | -        |           | 37  |               | $\vdash \vdash \vdash$    | 67<br>68   |                                      |                | · 97<br>98 | , . | -     | 127<br>128  |                          |                 | 157<br>158     |       |              | 187<br>188 |
|                              | 8                      | +        | -         | 39  | -             | $\vdash$                  | 69   |                                      |                | 99         |     |       | 129         | · . ·                    | <b>-</b>        | 159            |       |              | 189        |
|                              | 10                     |          |           | 40  |               |                           | 70   |                                      |                | 100        |     |       | 130         |                          |                 | 160            |       |              | 190        |
|                              | 11                     |          |           | 41  |               |                           | 71   |                                      |                | 101        |     |       | 131         |                          |                 | 161            |       |              | 191        |
|                              | 12                     |          |           | 42  |               |                           | 72   |                                      |                | 102<br>103 | , . |       | 132         |                          | ·               | 162            |       |              | 192<br>193 |
|                              | 13                     | -        | -         | 43  |               |                           | 73<br>74   |                                      |                | 103        |     |       | 133         |                          | <b>-</b>        | 163<br>164     |       |              | 193        |
| -                            | 15                     | 1        |           | 45  |               |                           | 75   |                                      |                | 105        |     | _     | 135         |                          |                 | 165            |       |              | 195        |
|                              | 16                     | ]        |           | 46  | f s           |                           | 76   |                                      |                | 106        |     |       | 136         |                          |                 | 166            |       |              | 196        |
|                              | 17                     | ↓ .      | -         | 47  |               |                           | 77   |                                      | <del>,</del> - | 107        |     |       | 137         |                          |                 | 167            |       |              | 197        |
|                              | 18                     | ]        |           | 48  |               |                           | 78<br>79   |                                      | <u> </u>       | 108<br>109 | 1   |       | 138<br>139  | ing Grand<br>Zing Britis | <u> </u>        | 168<br>169     |       |              | 198<br>199 |
|                              | 20                     | 1        |           | 50  |               |                           | 80   |                                      |                | 110        |     |       | 140         |                          |                 | 170            |       |              | 200        |
|                              | 21                     | 1        |           | 51  |               |                           | 81   |                                      |                | 111        |     |       | 141         |                          |                 | 171            |       |              | 201        |
|                              |                        | 1        |           | 52  | 1 .           |                           | 82   | 1                                    |                | 112        |     |       | 1/12        |                          |                 | 172            |       |              | 202        |

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